

Michael G Dwyer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186
papers

4,718
citations

37
h-index

61
g-index

192
ext. papers

5,753
ext. citations

5.1
avg, IF

5.32
L-index

#	Paper	IF	Citations
186	Patient-Reported Outcome Severity and Emotional Salience Network Disruption in Multiple Sclerosis.. <i>Brain Imaging and Behavior</i> , 2022 , 1	4.1	0
185	Cerebral blood flow dependency on systemic arterial circulation in progressive multiple sclerosis.. <i>European Radiology</i> , 2022 , 1	8	
184	Time course of lesion-induced atrophy in multiple sclerosis.. <i>Journal of Neurology</i> , 2022 , 1	5.5	0
183	Measurement of neurofilaments improves stratification of future disease activity in early multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 2001-2013	5	2
182	Interpreting change on the Symbol Digit Modalities Test in people with relapsing multiple sclerosis using the reliable change methodology. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211049397	5	1
181	Functional network dynamics and decreased conscientiousness in multiple sclerosis. <i>Journal of Neurology</i> , 2021 , 1	5.5	1
180	Randomized Evaluation of TriGuard 3 Cerebral Embolic Protection After Transcatheter Aortic Valve Replacement: REFLECT II. <i>JACC: Cardiovascular Interventions</i> , 2021 , 14, 515-527	5	13
179	Evolution of Brain Volume Loss Rates in Early Stages of Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021 , 8,	9.1	3
178	Deep grey matter injury in multiple sclerosis: a NAIMS consensus statement. <i>Brain</i> , 2021 , 144, 1974-1984	11.2	4
177	A randomized evaluation of the TriGuard HDH cerebral embolic protection device to Reduce the Impact of Cerebral Embolic LESions after TransCatheter Aortic Valve ImplanTation: the REFLECT I trial. <i>European Heart Journal</i> , 2021 , 42, 2670-2679	9.5	11
176	Nucleus basalis of Meynert damage and cognition in patients with multiple sclerosis. <i>Journal of Neurology</i> , 2021 , 268, 4796-4808	5.5	1
175	Staging and stratifying cognitive dysfunction in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211011390	5.5	1
174	Diffusion tensor imaging reveals greater microstructure damage in lesional tissue that shrinks into cerebrospinal fluid in multiple sclerosis. <i>Journal of Neuroimaging</i> , 2021 , 31, 995-1002	2.8	1
173	Neurofilament levels are associated with blood-brain barrier integrity, lymphocyte extravasation, and risk factors following the first demyelinating event in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 220-231	5	24
172	Recovery of cognitive function after relapse in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 71-78	5	19
171	Diagnosis of depression in multiple sclerosis is predicted by frontal-parietal white matter tract disruption. <i>Journal of Neurology</i> , 2021 , 268, 169-177	5.5	4
170	Conscientiousness and deterioration in employment status in multiple sclerosis over 3 years. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1125-1135	5	4

169	Thalamic Nuclei Volumes and Their Relationships to Neuroperformance in Multiple Sclerosis: A Cross-Sectional Structural MRI Study. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 731-739	5.6	3
168	Leptomeningeal, dura mater and meningeal vessel wall enhancements in multiple sclerosis. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 47, 102653	4	4
167	Quantifying cognition and fatigue to enhance the sensitivity of the EDSS during relapses. <i>Multiple Sclerosis Journal</i> , 2021 , 27, 1077-1087	5	3
166	Interpretation of Brain Volume Increase in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2021 , 31, 401-407	2.8	4
165	Brain atrophy and lesion burden are associated with disability progression in a multiple sclerosis real-world dataset using only T2-FLAIR: The NeuroSTREAM MSBase study. <i>NeuroImage: Clinical</i> , 2021 , 32, 102802	5.3	0
164	Subcutaneous anti-CD20 antibody treatment delays gray matter atrophy in human myelin oligodendrocyte glycoprotein-induced EAE mice. <i>Experimental Neurology</i> , 2021 , 335, 113488	5.7	1
163	Clinical feasibility of longitudinal lateral ventricular volume measurements on T2-FLAIR across MRI scanner changes. <i>NeuroImage: Clinical</i> , 2021 , 29, 102554	5.3	1
162	Quantifying disease pathology and predicting disease progression in multiple sclerosis with only clinical routine T2-FLAIR MRI. <i>NeuroImage: Clinical</i> , 2021 , 31, 102705	5.3	2
161	Visual deficits and cognitive assessment of multiple sclerosis: confounder, correlate, or both?. <i>Journal of Neurology</i> , 2021 , 268, 2578-2588	5.5	3
160	Disease biomarkers in multiple sclerosis: current serum neurofilament light chain perspectives. <i>Neurodegenerative Disease Management</i> , 2021 , 11, 329-340	2.8	1
159	Benchmarks of meaningful improvement on neurocognitive tests in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021 , 13524585211044672	5	0
158	DeepGRAI (Deep Gray Rating via Artificial Intelligence): Fast, feasible, and clinically relevant thalamic atrophy measurement on clinical quality T2-FLAIR MRI in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2021 , 30, 102652	5.3	2
157	Decreasing brain iron in multiple sclerosis: The difference between concentration and content in iron MRI. <i>Human Brain Mapping</i> , 2021 , 42, 1463-1474	5.9	9
156	Sex-Specific Differences in Life Span Brain Volumes in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2020 , 30, 342-350	2.8	7
155	Functional Connectivity and Structural Disruption in the Default-Mode Network Predicts Cognitive Rehabilitation Outcomes in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2020 , 30, 523-530	2.8	8
154	Long-standing multiple sclerosis neurodegeneration: volumetric magnetic resonance imaging comparison to Parkinson's disease, mild cognitive impairment, Alzheimer's disease, and elderly healthy controls. <i>Neurobiology of Aging</i> , 2020 , 90, 84-92	5.6	9
153	Infections, Vaccines and Autoimmunity: A Multiple Sclerosis Perspective. <i>Vaccines</i> , 2020 , 8,	5.3	18
152	A preliminary investigation of cognitive intolerance and neuroimaging among adolescents returning to school after concussion. <i>Brain Injury</i> , 2020 , 34, 818-827	2.1	4

151	Longitudinal analysis of cerebral aqueduct flow measures: multiple sclerosis flow changes driven by brain atrophy. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 9	7	1
150	Serum neurofilament light chain and optical coherence tomography measures in MS: A longitudinal study. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	12
149	A multimodal approach to assess the validity of atrophied T2-lesion volume as an MRI marker of disease progression in multiple sclerosis. <i>Journal of Neurology</i> , 2020 , 267, 802-811	5.5	6
148	Late onset multiple sclerosis is associated with more severe ventricle expansion. <i>Multiple Sclerosis and Related Disorders</i> , 2020 , 46, 102588	4	5
147	Slowing of brain atrophy with teriflunomide and delayed conversion to clinically definite MS. <i>Therapeutic Advances in Neurological Disorders</i> , 2020 , 13, 1756286420970754	6.6	2
146	Cortical and Deep Gray Matter Perfusion Associations With Physical and Cognitive Performance in Multiple Sclerosis Patients. <i>Frontiers in Neurology</i> , 2020 , 11, 700	4.1	3
145	Disability Improvement Is Associated with Less Brain Atrophy Development in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1577-1583	4.4	2
144	Serum Neurofilament Light Chain Levels are Associated with Lower Thalamic Perfusion in Multiple Sclerosis. <i>Diagnostics</i> , 2020 , 10,	3.8	1
143	Detection of Monocyte/Macrophage and Microglia Activation in the TMEV Model of Chronic Demyelination Using USPIO-Enhanced Ultrahigh-Field Imaging. <i>Journal of Neuroimaging</i> , 2020 , 30, 769-778	2.8	0
142	High density lipoprotein cholesterol and apolipoprotein A-I are associated with greater cerebral perfusion in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2020 , 418, 117120	3.2	3
141	Trait Conscientiousness predicts rate of longitudinal SDMT decline in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 245-252	5	9
140	Higher EBV response is associated with more severe gray matter and lesion pathology in relapsing multiple sclerosis patients: A case-controlled magnetization transfer ratio study. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 322-332	5	14
139	Trait Conscientiousness predicts rate of brain atrophy in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020 , 26, 1433-1436	5	5
138	MRI biomarkers of disease progression and conversion to secondary-progressive multiple sclerosis. <i>Expert Review of Neurotherapeutics</i> , 2020 , 20, 821-834	4.3	6
137	Monitoring of radiologic disease activity by serum neurofilaments in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020 , 7,	9.1	16
136	Preserved network functional connectivity underlies cognitive reserve in multiple sclerosis. <i>Human Brain Mapping</i> , 2019 , 40, 5231-5241	5.9	20
135	Atrophied Brain T2 Lesion Volume at MRI Is Associated with Disability Progression and Conversion to Secondary Progressive Multiple Sclerosis. <i>Radiology</i> , 2019 , 293, 424-433	20.5	18
134	Targeting Iron Dyshomeostasis for Treatment of Neurodegenerative Disorders. <i>CNS Drugs</i> , 2019 , 33, 1073-1086	6.7	7

133	Response heterogeneity to home-based restorative cognitive rehabilitation in multiple sclerosis: An exploratory study. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 34, 103-111	4	12
132	Aging and Brain Atrophy in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2019 , 29, 527-535	2.8	16
131	A Serial 10-Year Follow-Up Study of Atrophied Brain Lesion Volume and Disability Progression in Patients with Relapsing-Remitting MS. <i>American Journal of Neuroradiology</i> , 2019 , 40, 446-452	4.4	12
130	Effect of Teriflunomide and Dimethyl Fumarate on Cortical Atrophy and Leptomeningeal Inflammation in Multiple Sclerosis: A Retrospective, Observational, Case-Control Pilot Study. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	6
129	Comparative effectiveness of teriflunomide and dimethyl fumarate in patients with relapsing forms of MS in the retrospective real-world Teri-RADAR study. <i>Journal of Comparative Effectiveness Research</i> , 2019 , 8, 305-316	2.1	10
128	Altered nuclei-specific thalamic functional connectivity patterns in multiple sclerosis and their associations with fatigue and cognition. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 1243-1254	5	21
127	Cumulative gadodiamide administration leads to brain gadolinium deposition in early MS. <i>Neurology</i> , 2019 , 93, e611-e623	6.5	19
126	Serum neurofilament light chain levels associations with gray matter pathology: a 5-year longitudinal study. <i>Annals of Clinical and Translational Neurology</i> , 2019 , 6, 1757-1770	5.3	39
125	Salient Central Lesion Volume: A Standardized Novel Fully Automated Proxy for Brain FLAIR Lesion Volume in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2019 , 29, 615-623	2.8	3
124	Network Dynamics and Cognitive Impairment in Multiple Sclerosis: Functional MRI-based Decoupling of Complex Relationships. <i>Radiology</i> , 2019 , 292, 458-459	20.5	1
123	Dietary and lifestyle factors in multiple sclerosis progression: results from a 5-year longitudinal MRI study. <i>Journal of Neurology</i> , 2019 , 266, 866-875	5.5	20
122	Lower self-report fatigue in multiple sclerosis is associated with localized white matter tract disruption between amygdala, temporal pole, insula, and other connected structures. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 27, 298-304	4	10
121	Assessment of mesoscopic properties of deep gray matter iron through a model-based simultaneous analysis of magnetic susceptibility and R* - A pilot study in patients with multiple sclerosis and normal controls. <i>NeuroImage</i> , 2019 , 186, 308-320	7.9	11
120	Impact of fingolimod on clinical and magnetic resonance imaging outcomes in routine clinical practice: A retrospective analysis of the multiple sclerosis, clinical and MRI outcomes in the USA (MS-MRIUS) study. <i>Multiple Sclerosis and Related Disorders</i> , 2019 , 27, 65-73	4	5
119	Pathological cut-offs of global and regional brain volume loss in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2019 , 25, 541-553	5	22
118	Establishing pathological cut-offs for lateral ventricular volume expansion rates. <i>NeuroImage: Clinical</i> , 2018 , 18, 494-501	5.3	15
117	The Role of High-Frequency MRI Monitoring in the Detection of Brain Atrophy in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018 , 28, 328-337	2.8	4
116	Neurocognition and Cerebral Lesion Burden in High-Risk Patients Before Undergoing Transcatheter Aortic Valve Replacement: Insights From the SENTINEL Trial. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 384-392	5	10

115	Longitudinal personality change associated with cognitive decline in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018 , 1352458517753720	5	16
114	Evaluation of Leptomeningeal Contrast Enhancement Using Pre-and Postcontrast Subtraction 3D-FLAIR Imaging in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 642-647	4.4	26
113	Progressive inner nuclear layer dysfunction in non-optic neuritis eyes in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018 , 5, e427	9.1	23
112	Evidence of progressive tissue loss in the core of chronic MS lesions: A longitudinal DTI study. <i>NeuroImage: Clinical</i> , 2018 , 17, 1028-1035	5.3	22
111	Feasibility of Brain Atrophy Measurement in Clinical Routine without Prior Standardization of the MRI Protocol: Results from MS-MRIUS, a Longitudinal Observational, Multicenter Real-World Outcome Study in Patients with Relapsing-Remitting MS. <i>American Journal of Neuroradiology</i> , 2018 , 39, 289-295	4.4	19
110	Changes of deep gray matter magnetic susceptibility over 2 years in multiple sclerosis and healthy control brain. <i>NeuroImage: Clinical</i> , 2018 , 18, 1007-1016	5.3	20
109	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. <i>European Heart Journal</i> , 2018 , 39, 1687-1697	9.5	19
108	Mapping of thalamic magnetic susceptibility in multiple sclerosis indicates decreasing iron with disease duration: A proposed mechanistic relationship between inflammation and oligodendrocyte vitality. <i>NeuroImage</i> , 2018 , 167, 438-452	7.9	43
107	Reply: Don't Leave the Back Door Open. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 1420	5	
106	Brain Iron at Quantitative MRI Is Associated with Disability in Multiple Sclerosis. <i>Radiology</i> , 2018 , 289, 487-496	20.5	48
105	White matter tract network disruption explains reduced conscientiousness in multiple sclerosis. <i>Human Brain Mapping</i> , 2018 , 39, 3682-3690	5.9	16
104	Fingolimod's Impact on MRI Brain Volume Measures in Multiple Sclerosis: Results from MS-MRIUS. <i>Journal of Neuroimaging</i> , 2018 , 28, 399-405	2.8	8
103	Walking disability measures in multiple sclerosis patients: Correlations with MRI-derived global and microstructural damage. <i>Journal of the Neurological Sciences</i> , 2018 , 393, 128-134	3.2	20
102	Thalamic white matter in multiple sclerosis: A combined diffusion-tensor imaging and quantitative susceptibility mapping study. <i>Human Brain Mapping</i> , 2018 , 39, 4007-4017	5.9	12
101	Iron-related gene variants and brain iron in multiple sclerosis and healthy individuals. <i>NeuroImage: Clinical</i> , 2018 , 17, 530-540	5.3	18
100	Gray matter atrophy patterns in multiple sclerosis: A 10-year source-based morphometry study. <i>NeuroImage: Clinical</i> , 2018 , 17, 444-451	5.3	41
99	Multimodal Imaging of Retired Professional Contact Sport Athletes Does Not Provide Evidence of Structural and Functional Brain Damage. <i>Journal of Head Trauma Rehabilitation</i> , 2018 , 33, E24-E32	3	13
98	Brain Atrophy Is Associated with Disability Progression in Patients with MS followed in a Clinical Routine. <i>American Journal of Neuroradiology</i> , 2018 , 39, 2237-2242	4.4	18

97	Atrophied Brain Lesion Volume: A New Imaging Biomarker in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018 , 28, 490-495	2.8	35
96	Impact of Focal White Matter Damage on Localized Subcortical Gray Matter Atrophy in Multiple Sclerosis: A 5-Year Study. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1480-1486	4.4	11
95	Methods for the computation of templates from quantitative magnetic susceptibility maps (QSM): Toward improved atlas- and voxel-based analyses (VBA). <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1474-1484	5.6	11
94	An improved FSL-FIRST pipeline for subcortical gray matter segmentation to study abnormal brain anatomy using quantitative susceptibility mapping (QSM). <i>Magnetic Resonance Imaging</i> , 2017 , 39, 110-122 ³	3.2 ³	22
93	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 679-691	15.1	69
92	A Novel Semiautomated Pipeline to Measure Brain Atrophy and Lesion Burden in Multiple Sclerosis: A Long-Term Comparative Study. <i>Journal of Neuroimaging</i> , 2017 , 27, 620-629	2.8	16
91	Olfactory identification deficit predicts white matter tract impairment in Alzheimer β disease. <i>Psychiatry Research - Neuroimaging</i> , 2017 , 266, 90-95	2.9	7
90	An Observational Study to Assess Brain MRI Change and Disease Progression in Multiple Sclerosis Clinical Practice-The MS-MRIUS Study. <i>Journal of Neuroimaging</i> , 2017 , 27, 339-347	2.8	13
89	Effect of teriflunomide on cortex-basal ganglia-thalamus (CxBGTh) circuit glutamatergic dysregulation in the Theiler β Murine Encephalomyelitis Virus mouse model of multiple sclerosis. <i>PLoS ONE</i> , 2017 , 12, e0182729	3.7	10
88	Neurological software tool for reliable atrophy measurement (NeuroSTREAM) of the lateral ventricles on clinical-quality T2-FLAIR MRI scans in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2017 , 15, 769-779	5.7 ⁹	27
87	Transcatheter aortic valve replacement: perioperative stroke and beyond. <i>Expert Review of Neurotherapeutics</i> , 2017 , 17, 327-334	4.3	5
86	Protection Against Cerebral Embolism During Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2017 , 69, 367-377	15.1	262
85	Odor identification deficit in mild cognitive impairment and Alzheimer β disease is associated with hippocampal and deep gray matter atrophy. <i>Psychiatry Research - Neuroimaging</i> , 2016 , 255, 87-93	2.9	27
84	Effect of a Cerebral Protection Device on Brain Lesions Following Transcatheter Aortic Valve Implantation in Patients With Severe Aortic Stenosis: The CLEAN-TAVI Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 592-601	27.4	183
83	Synergistic Effects of Reserve and Adaptive Personality in Multiple Sclerosis. <i>Journal of the International Neuropsychological Society</i> , 2016 , 22, 920-927	3.1	17
82	Cerebral Microbleeds in Multiple Sclerosis Evaluated on Susceptibility-weighted Images and Quantitative Susceptibility Maps: A Case-Control Study. <i>Radiology</i> , 2016 , 281, 884-895	20.5	54
81	Brain atrophy measurements should be used to guide therapy monitoring in MS - YES. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1522-1524	5	12
80	Cognitive reserve moderates the impact of subcortical gray matter atrophy on neuropsychological status in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 36-42	5	44

79	Autoimmune Comorbidities Are Associated with Brain Injury in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1010-6	4.4	16
78	A serial 10-year follow-up study of brain atrophy and disability progression in RRMS patients. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1709-1718	5	54
77	Localized atrophy of the thalamus and slowed cognitive processing speed in MS patients. <i>Multiple Sclerosis Journal</i> , 2016 , 22, 1327-36	5	68
76	Cardiovascular risk factors are associated with increased lesion burden and brain atrophy in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016 , 87, 181-7	5.5	77
75	Reserve-related activities and MRI metrics in multiple sclerosis patients and healthy controls: an observational study. <i>BMC Neurology</i> , 2016 , 16, 108	3.1	4
74	Clinical relevance of brain atrophy assessment in multiple sclerosis. Implications for its use in a clinical routine. <i>Expert Review of Neurotherapeutics</i> , 2016 , 16, 777-93	4.3	94
73	Effect of glatiramer acetate three-times weekly on the evolution of new, active multiple sclerosis lesions into T1-hypointense "black holes": a post hoc magnetic resonance imaging analysis. <i>Journal of Neurology</i> , 2015 , 262, 648-53	5.5	16
72	A pilot, longitudinal, 24-week study to evaluate the effect of interferon beta-1a subcutaneous on changes in susceptibility-weighted imaging-filtered phase assessment of lesions and subcortical deep-gray matter in relapsing-remitting multiple sclerosis. <i>Therapeutic Advances in Neurological Disorders</i> , 2015 , 8, 59-70	6.6	4
71	Diffusion tensor imaging alterations in patients with postconcussion syndrome undergoing exercise treatment: a pilot longitudinal study. <i>Journal of Head Trauma Rehabilitation</i> , 2015 , 30, E32-42	3	24
70	Associations between changes in ferritin levels and susceptibility-weighted imaging filtered phase in patients with relapsing-remitting multiple sclerosis over 24 weeks of therapy with subcutaneous interferon beta-1a three times weekly. <i>Journal of Neuroimmunology</i> , 2015 , 281, 44-50	3.5	1
69	The Effect of Three Times a Week Glatiramer Acetate on Cerebral T1 Hypointense Lesions in Relapsing-Remitting Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2015 , 25, 989-95	2.8	5
68	Immunological and short-term brain volume changes in relapsing forms of multiple sclerosis treated with interferon beta-1a subcutaneously three times weekly: an open-label two-arm trial. <i>BMC Neurology</i> , 2015 , 15, 232	3.1	9
67	White Matter Hyperintensities and Mild Cognitive Impairment in Parkinson's Disease. <i>Journal of Neuroimaging</i> , 2015 , 25, 754-60	2.8	22
66	Reserve-building activities in multiple sclerosis patients and healthy controls: a descriptive study. <i>BMC Neurology</i> , 2015 , 15, 135	3.1	6
65	Immunologic and MRI markers of the therapeutic effect of IFN- β 1a in relapsing-remitting MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2015 , 2, e176	9.1	11
64	Effects of diet on brain iron levels among healthy individuals: an MRI pilot study. <i>Neurobiology of Aging</i> , 2015 , 36, 1678-1685	5.6	10
63	No regional gray matter atrophy differences between pediatric- and adult-onset relapsing-remitting multiple sclerosis. <i>Journal of Neuroimaging</i> , 2014 , 24, 63-7	2.8	3
62	MRI segmentation analysis in temporal lobe and idiopathic generalized epilepsy. <i>BMC Neurology</i> , 2014 , 14, 131	3.1	7

61	Aqueductal cerebrospinal fluid pulsatility in healthy individuals is affected by impaired cerebral venous outflow. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 1215-22	5.6	22
60	Improved longitudinal gray and white matter atrophy assessment via application of a 4-dimensional hidden Markov random field model. <i>NeuroImage</i> , 2014 , 90, 207-17	7.9	42
59	Diffusion tensor MRI alterations of subcortical deep gray matter in clinically isolated syndrome. <i>Journal of the Neurological Sciences</i> , 2014 , 338, 128-34	3.2	16
58	Jugular venous reflux and white matter abnormalities in Alzheimer's disease: a pilot study. <i>Journal of Alzheimer's Disease</i> , 2014 , 39, 601-9	4.3	47
57	Tract-based spatial statistics analysis of diffusion-tensor imaging data in pediatric- and adult-onset multiple sclerosis. <i>Human Brain Mapping</i> , 2014 , 35, 53-60	5.9	9
56	Humoral responses to herpesviruses are associated with neurodegeneration after a demyelinating event: results from the multi-center set study. <i>Journal of Neuroimmunology</i> , 2014 , 273, 58-64	3.5	16
55	Effect of treatment with interferon beta-1a on changes in voxel-wise magnetization transfer ratio in normal appearing brain tissue and lesions of patients with relapsing-remitting multiple sclerosis: a 24-week, controlled pilot study. <i>PLoS ONE</i> , 2014 , 9, e91098	3.7	13
54	Improved operator agreement and efficiency using the minimum area contour change method for delineation of hyperintense multiple sclerosis lesions on FLAIR MRI. <i>BMC Medical Imaging</i> , 2013 , 13, 29	2.9	2
53	Development of gray matter atrophy in relapsing-remitting multiple sclerosis is not gender dependent: results of a 5-year follow-up study. <i>Clinical Neurology and Neurosurgery</i> , 2013 , 115 Suppl 1, S42-8	2	6
52	White Matter Hyperintensities on 1.5 and 3 Tesla Brain MRI in Healthy Individuals. <i>Journal of Biomedical Graphics and Computing</i> , 2013 , 3,		3
51	Gray matter SWI-filtered phase and atrophy are linked to disability in MS. <i>Frontiers in Bioscience - Elite</i> , 2013 , 5, 525-32	1.6	18
50	Thalamic atrophy is associated with development of clinically definite multiple sclerosis. <i>Radiology</i> , 2013 , 268, 831-41	20.5	119
49	Interdependence and contributions of sun exposure and vitamin D to MRI measures in multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013 , 84, 1075-81	5.5	28
48	Iron content of the pulvinar nucleus of the thalamus is increased in adolescent multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 567-76	5	22
47	Influence of personality on the relationship between gray matter volume and neuropsychiatric symptoms in multiple sclerosis. <i>Psychosomatic Medicine</i> , 2013 , 75, 253-61	3.7	20
46	Clinical significance of atrophy and white matter mean diffusivity within the thalamus of multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1478-84	5	71
45	MRI characteristics of familial and sporadic multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2013 , 19, 1145-52	5	6
44	Bimonthly Evolution of Cortical Atrophy in Early Relapsing-Remitting Multiple Sclerosis over 2 Years: A Longitudinal Study. <i>Multiple Sclerosis International</i> , 2013 , 2013, 231345	1.1	6

43	Jugular venous reflux and brain parenchyma volumes in elderly patients with mild cognitive impairment and Alzheimer's disease. <i>BMC Neurology</i> , 2013 , 13, 157	3.1	21
42	Impact of tissue atrophy on high-pass filtered MRI signal phase-based assessment in large-scale group-comparison studies: a simulation study. <i>Frontiers in Physics</i> , 2013 , 1,	3.9	3
41	Environmental factors associated with disease progression after the first demyelinating event: results from the multi-center SET study. <i>PLoS ONE</i> , 2013 , 8, e53996	3.7	50
40	Basal ganglia, thalamus and neocortical atrophy predicting slowed cognitive processing in multiple sclerosis. <i>Journal of Neurology</i> , 2012 , 259, 139-46	5.5	227
39	Abnormal subcortical deep-gray matter susceptibility-weighted imaging filtered phase measurements in patients with multiple sclerosis: a case-control study. <i>NeuroImage</i> , 2012 , 59, 331-9	7.9	160
38	Improved assessment of multiple sclerosis lesion segmentation agreement via detection and outline error estimates. <i>BMC Medical Imaging</i> , 2012 , 12, 17	2.9	21
37	Magnetization transfer imaging of acute black holes in patients on glatiramer acetate. <i>Frontiers in Bioscience - Elite</i> , 2012 , 4, 1496-504	1.6	4
36	Iron deposition in multiple sclerosis lesions measured by susceptibility-weighted imaging filtered phase: a case control study. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 73-83	5.6	55
35	Cine cerebrospinal fluid imaging in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 825-34	5.6	37
34	Comparison of standard 1.5 T vs. 3 T optimized protocols in patients treated with glatiramer acetate. A serial MRI pilot study. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 5659-73	6.3	1
33	Anti-phospholipid antibodies are associated with response to interferon-beta1a treatment in MS: results from a 3-year longitudinal study. <i>Neurological Research</i> , 2012 , 34, 761-9	2.7	10
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